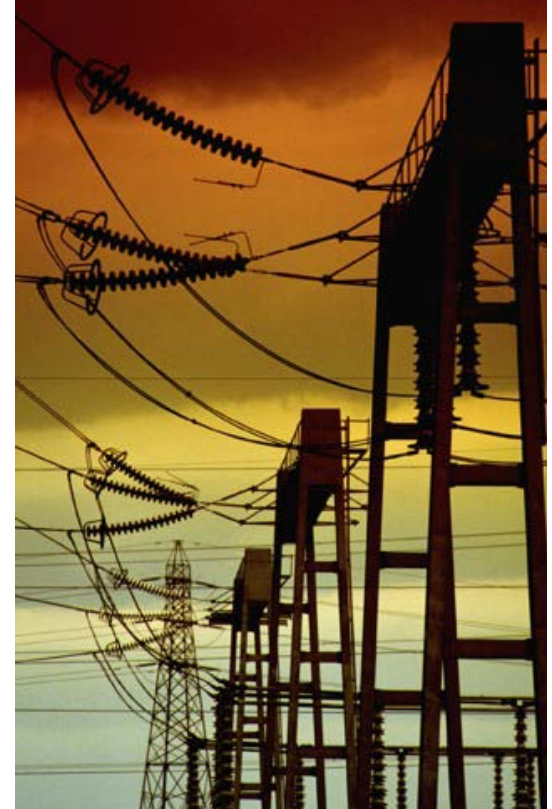




UESC Status Data Collection and Analysis

Jesse Feinberg
Energetics, Incorporated
April 14, 2010

- Why FEMP collects UESC data
- Data trends – where are we now?
- Incentives to sharing data



A one page history...

UESCs authorized in Energy Policy Act of 1992

Agencies are authorized and encouraged to participate in programs to increase energy efficiency and for water conservation or the management of electricity demand conducted by gas, water, or electric utilities...

No mandate to report UESC activity. FEMP tracks projects on voluntary basis.

Steady reported growth of UESC financing vehicle for almost 20 years.

- Demonstrate growth
- Understand UESC market and trends in investment
- Target technical assistance and targeting outreach
- Identify needs for partnership meetings
- Build case studies
- Better serve its “clients”



Federal Energy Management Program

Case Study

Leading by example,
saving energy and
taxpayer dollars in
federal facilities

UESC SUCCESS STORIES Marine Corps Base, Camp Pendleton

Local Military Facility Helps Protect the Planet

Camp Pendleton covers 125,000 acres, including 17 miles of precious California coastline. More than 35,000 active duty Marines and Sailors call it home. Including service member families and civilian employees, the Base population reaches 60,000 people during the day.

Energy Conservation on Multiple Fronts

An Executive Order signed by President Bush in 2007 requires Camp Pendleton to reduce its energy consumption by 3% per year. To achieve this



One of many roof top
solar arrays on base.

U.S. DEPARTMENT OF
ENERGY

Energy Efficiency &
Renewable Energy

FEDERAL ENERGY MANAGEMENT PROGRAM

The U.S. Department of Energy's (DOE) Federal Energy Management Program (FEMP) facilitates the Federal Government's implementation of sound, cost-effective energy management and investment practices to enhance the nation's energy security and environmental stewardship.



The General Services Administration's Ted Weiss Federal Building is 100 percent powered by renewable energy due to projects financed through utility energy services contracts.

UESC SUCCESS STORY: GSA AND CONSOLIDATED EDISON'S STRONG PARTNERSHIP HAS MANY REWARDS

The Federal utility partnership between the General Services Administration's (GSA) Northeast and Caribbean Region and their serving utility, Consolidated Edison (Con Edison), is standing the test of time. Since the early 1990s, GSA has pursued its energy goals by partnering with Con Edison. The utility provides a wide array of programs and services to property management and regional office

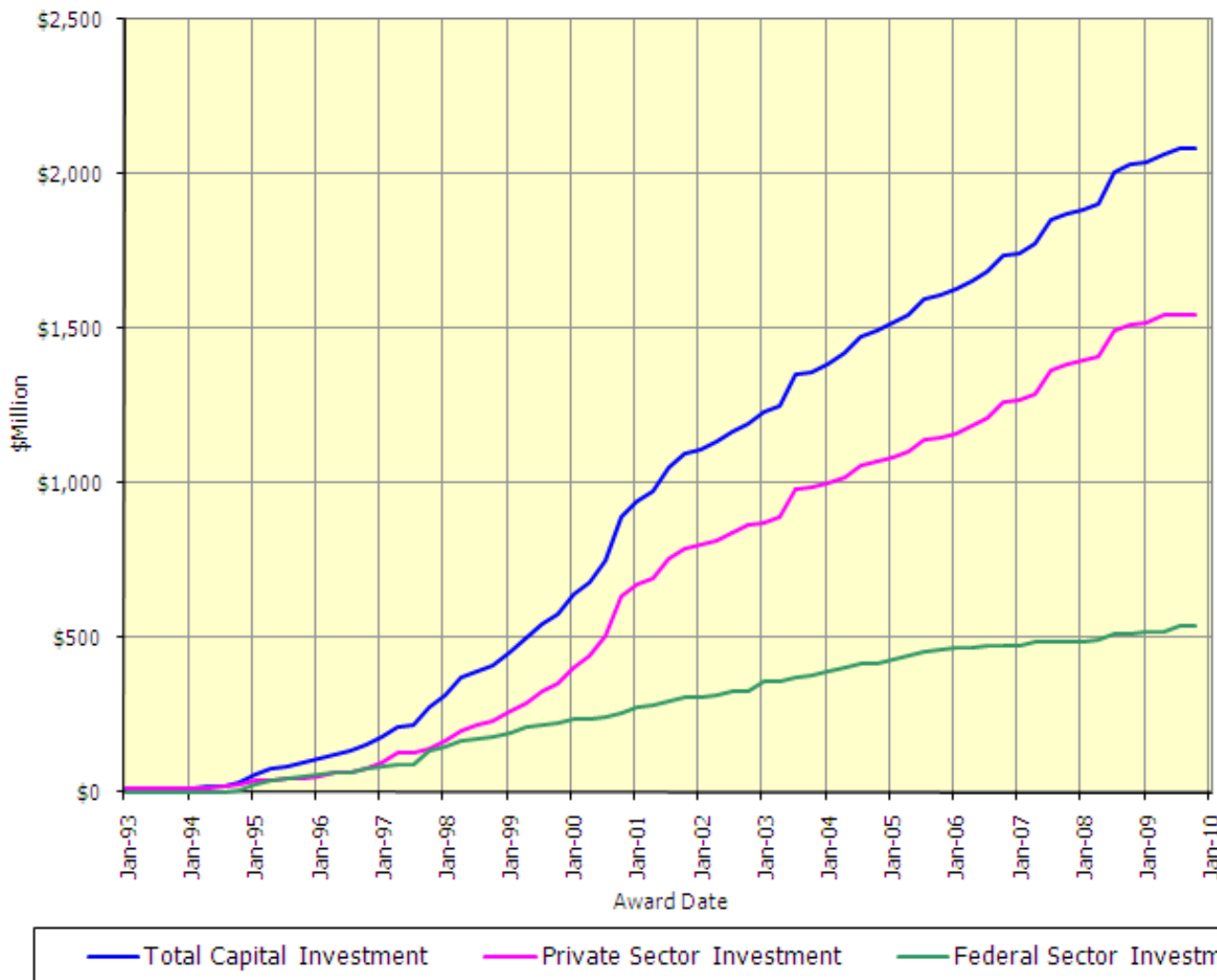
- **Thermal insulation:** Additional thermal insulation specified for opaque areas of the building's façade reduces heating and cooling loss.
- **Variable speed drives:** Efficiency of all fans, pumps, and motors is optimized by variable speed drives.
- **Energy management system:** The fully-automated system uses direct digital controllers for integrated

UESC Aggregated Growth 1993-2010

U.S. DEPARTMENT OF
ENERGY

Energy Efficiency &
Renewable Energy

UESC Project Total Capital Investment
Rate of change over time



Since 1991...

... over \$2.0 billion invested,

**... over \$300 million in annual cost savings at
Federal facilities.**

**Total annual savings 17 million MMBtu since
1991**

**\$1.4 billion of this, or 70%, is through third-
party financing.**

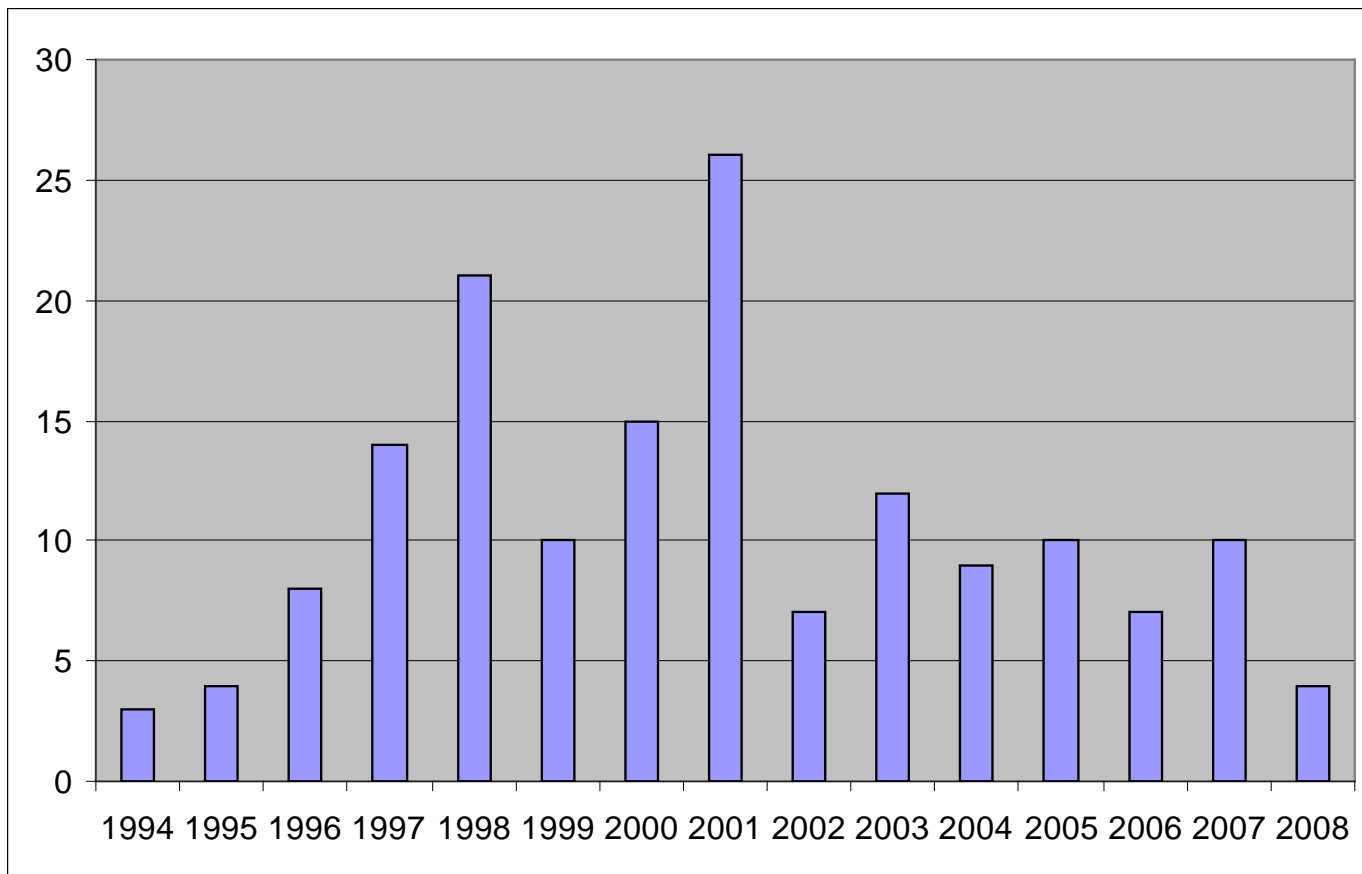
Total Projects

Over 1,500 UESC projects have been awarded between 1991 and 2009 in 41 states, the District of Columbia, and Puerto Rico.

Rebates and Incentives

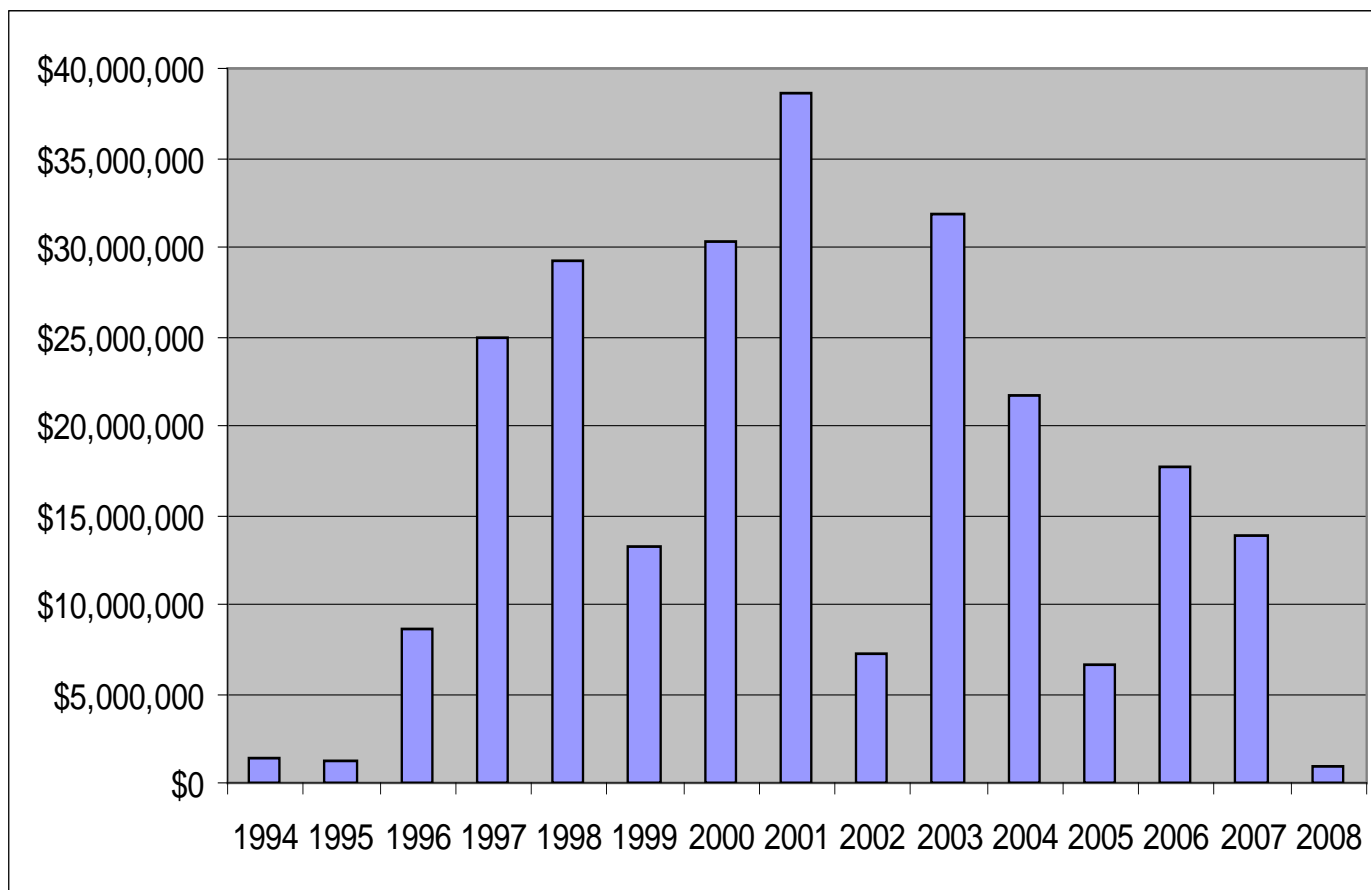
In 2009, over \$4 billion dollars budgeted for ratepayer-funded EE programs. (Total includes programmatic administrative costs).

Completed, Proposed, and Anticipated UESC Projects



Total Number of Projects: 160

Money Invested in Completed, Proposed, and Anticipated UESC Projects



- Trend tracking, and agency-custom reports not possible without sharing data first!
- Many benefits to agencies and utilities:
 - Provide you with FY investment and savings (btu, \$)
 - More specific analysis to your agency or utility
 - Help FEMP build case studies centered on your projects. Used for training, outreach, communications, etc.

Getting Started Today!

| Utility | Agency | Location | Name Email Phone Number |
|---------|--------|----------|-------------------------------|
| | | | |
| | | | |
| | | | |
| | | | |

Data Template

| Agency | Facility | Utility | Contract Type | Contract Term | Task Order/Delivery Order | Award Date | Completion Date |
|--------|----------|---------|---------------|---------------|---------------------------|------------|-----------------|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| Energy Conservation Measures Implemented In Project (Enter as many as applicable - See Key) | Project's Capital Cost (\$) | Percent of Total Cost 3rd Party Financed | Rebate Amount (\$) | Estimated Annual Cost Savings (\$) | Estimated Annual kWh Saved | Estimated Annual KW Saved | Estimated Annual Natural Gas savings (please specify cubic feet, therms or MMBtu) | Estimated Annual Oil savings (gallons) |
|---|-----------------------------|--|--------------------|------------------------------------|----------------------------|---------------------------|---|--|
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Utility Energy Services Contract (UESC) Data Collection Confidentiality Statement

The Department of Energy Federal Energy Management Program (FEMP) and Energetics Incorporated maintain strict confidentiality and security of records of reported Utility Energy Services Contracts (UESCs). Reported data is never released to a third-party without consent and data is securely maintained through FEMP Central (password protected database operated by Project Performance Corporation [PPC]). The data is reported occasionally to the Department of Energy only on an aggregate-level to demonstrate the growth of the UESC contracting vehicle and to better understand the UESC market and trends in investment. Questions regarding the data collection of UESC projects can be directed to Jesse Feinberg (jfeinberg@energetics.com) or Aly Dean (adean@energetics.com).



GovEnergy
www.govenergy.gov

Save the Date!

DALLAS

August 15-18, 2010

Dallas Convention Center ★ Dallas, TX

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